

What is claimed is

1. An osteogenesis promoter containing  $\beta$ -cryptoxanthin as an active ingredient.
- 5 2. An osteogenesis promoter containing a  $\beta$ -cryptoxanthin-containing composition as an active ingredient.
3. The osteogenesis promoter of claim 2, wherein the  $\beta$ -cryptoxanthin-containing composition is obtained by treating Satsuma orange.
4. A preventive / remedy for bone diseases, containing  $\beta$ -cryptoxanthin as
- 10 an active ingredient.
5. A preventive / remedy for bone diseases, containing a  $\beta$ -cryptoxanthin-containing composition as an active ingredient.
6. The preventive / remedy for bone diseases of claim 5, wherein the  $\beta$ -cryptoxanthin-containing composition is obtained by treating Satsuma
- 15 orange.
7. The preventive / remedy for bone diseases according to any of claims 4 to 6, wherein the bone disease is osteoporosis.
8. Functional foods or food materials for preventing or treating bone diseases, which contains  $\beta$ -cryptoxanthin.
- 20 9. Functional foods or food materials for preventing or treating bone diseases, which contains  $\beta$ -cryptoxanthin-containing composition.
10. The functional foods or food materials for preventing or treating bone diseases according to claim 9, wherein the  $\beta$ -cryptoxanthin-containing composition is obtained by treating Satsuma orange.
- 25 11. The functional foods or food materials for preventing or treating bone diseases according to any of claims 8 to 10, wherein the bone disease is

osteoporosis

12. A feed composition containing  $\beta$ -cryptoxanthin

13. A feed composition containing a  $\beta$ -cryptoxanthin-containing composition.

5 14. The feed composition of claim 13, wherein the  $\beta$ -cryptoxanthin-containing composition is obtained by treating Satsuma orange.

15. A method of screening an active ingredient for promoting osteogenesis or preventing / treating bone diseases, wherein  $\beta$ -cryptoxanthin is used as the lead compound.

10 16. The method of screening an active ingredient for promoting osteogenesis or preventing / treating bone diseases according to claim 15, wherein the bone disease is osteoporosis.

17. An osteogenesis promoter or a preventive / remedy for bone diseases, containing  $\beta$ -cryptoxanthin obtained by the screening method according  
15 to claim 15 or 16 as the lead compound.

18. The osteogenesis promoter or a preventive / remedy for bone diseases, containing  $\beta$ -cryptoxanthin as the lead compound according to claim 17, wherein the bone disease is osteoporosis.